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Water Supply Outlook For Nevada



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT of CONSERVATION
AND NATURAL RESOURCES
DIVISION OF WATER RESOURCES

AS OF
March 1, 1982

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: LONE CONE, NEAR NORWOOD, COLORADO, BLANKETED BY
ITS WINTER MANTLE OF SNOW.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway; Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



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**WATER SUPPLY OUTLOOK
FOR
NEVADA**

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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Report prepared by

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LIST OF COOPERATORS.	Inside Back Cover

All averages are for 1963-77 period.

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WATER SUPPLY OUTLOOK FOR NEVADA

*
* PROSPECTS STILL REMAIN GOOD FOR WATER SUPPLY THROUGHOUT NEVADA *
* AND THE EAST SLOPE OF THE SIERRA. SNOW WATER CONTENTS RANGE *
* FROM A HIGH OF 153 PERCENT OF AVERAGE IN THE SNAKE RIVER BASIN *
* TO A LOW OF 94 PERCENT OF AVERAGE IN THE NORTHERN GREAT BASIN. *
* THE TAHOE AND TRUCKEE BASINS ARE AT 114 PERCENT OF AVERAGE AND *
* THE HUMBOLDT IS AT 125 PERCENT OF AVERAGE. STREAMFLOW FORECASTS *
* RANGE FROM 81 PERCENT OF AVERAGE IN THE REESE RIVER TO 151 PERCENT *
* OF AVERAGE ON THE S. FORK OUYHEE RIVER. FORECASTS ARE ABOVE 110 *
* PERCENT OF NORMAL WITH THE EXCEPTION OF THE REESE RIVER. RESERVOIR *
* STORAGE IMPROVED SIGNIFICANTLY DURING THE MONTH INCREASING FROM 93 *
* PERCENT OF NORMAL TO 97 PERCENT OF NORMAL. LAKE TAHOE CONTAINS *
* 502,000 ACRE FEET WHICH IS THE LARGEST AMOUNT SINCE MARCH 1, 1976. *
*

SIERRA EAST SLOPE

Snow measurements taken at the end of February indicate there will be a good water supply this summer. Snow water contents in the Tahoe-Truckee Basins are 114 percent of average, the Carson River Basin is 116 percent of average and the Walker Basin is 130 percent of average, as determined from the snow course measurements. The storm which occurred over the President's Holiday weekend (February 14-16) contributed most of the month's increase in snowpack water content. This tropical storm produced snowpack increases at high elevations, while rain at low elevations contributed to significant melt. Mt. Rose snow course increased from 33.5 inches of water content to 41.7 and Squaw Valley #2 increased from 43.5 inches of water content to 48.6, while Independence Creek snow course decreased from 9.0 inches of water content to 7.1 and Little Valley snow course went from 5.6 inches to 3.0 inches. Both Little Valley and Independence Creek water contents normally increase during the month of February, with average additions of 2.5 to 5 inches of water content.

Snowpack water contents are still well above last year's measurements. They are not as much above average as February 1 measurements were, however due to the mid month storm which reduced low elevation water contents. Average snow water content in the Carson River Basin is 181 percent of last year, in the Tahoe-Truckee Basin, 223 percent, and 244 percent in the Walker River Basin.

Streamflow forecasts indicate good water supply for all streams on the East Slope of the Sierra. The April-July flow of the Truckee at Farad is forecast at 121 percent of average, a high of 141 percent of average forecast for the Carson River at Fort Churchill. The rise in Lake Tahoe is forecast at 1.8 feet which would bring the Lake to 0.2 feet above the rim if the gates were to remain closed.

Reservoir storage has been the benefactor of the President's Holiday storm runoff. Lake Tahoe storage increased 5.67 times its normal February increase of 12,000 acre feet and is now at 502,000 acre feet, or 103 percent of average. This is a significant improvement over last month which was only 91 percent of average.

HUMBOLDT BASIN

Snow measurements for March 1 still indicate above average water contents in the Upper and Lower Humboldt River Basins. The Upper Humboldt is 125 percent of average and 369 percent of last year. The Lower Humboldt is 115 percent of average and 449 percent of last year.

The effect of the mid month tropical storm on the Humboldt Basin was similar to that in the Sierra. High elevation snow courses increased normally with lower elevation course producing significant melt. Dry Creek, a low elevation site, decreased 1.6 inches in water content. Snow melt combined with rain produced some minor flooding on the Lower Humboldt.

Forecasts on the Humboldt also indicate a good water supply. The Humboldt at Palisades is forecast at 260,000 acre feet as 118 percent of average. Lamoille Creek at Lamoille is forecast at 36,000 acre feet or 129 percent of average, and the Little Humboldt River near Paradise Valley is forecast at 13,300 acre feet or 138 percent of average.

Rye Patch Reservoir now contains 61,000 acre feet as compared to last years' 165,000 acre feet.

SNAKE, OWYHEE, AND NORTHERN GREAT BASINS

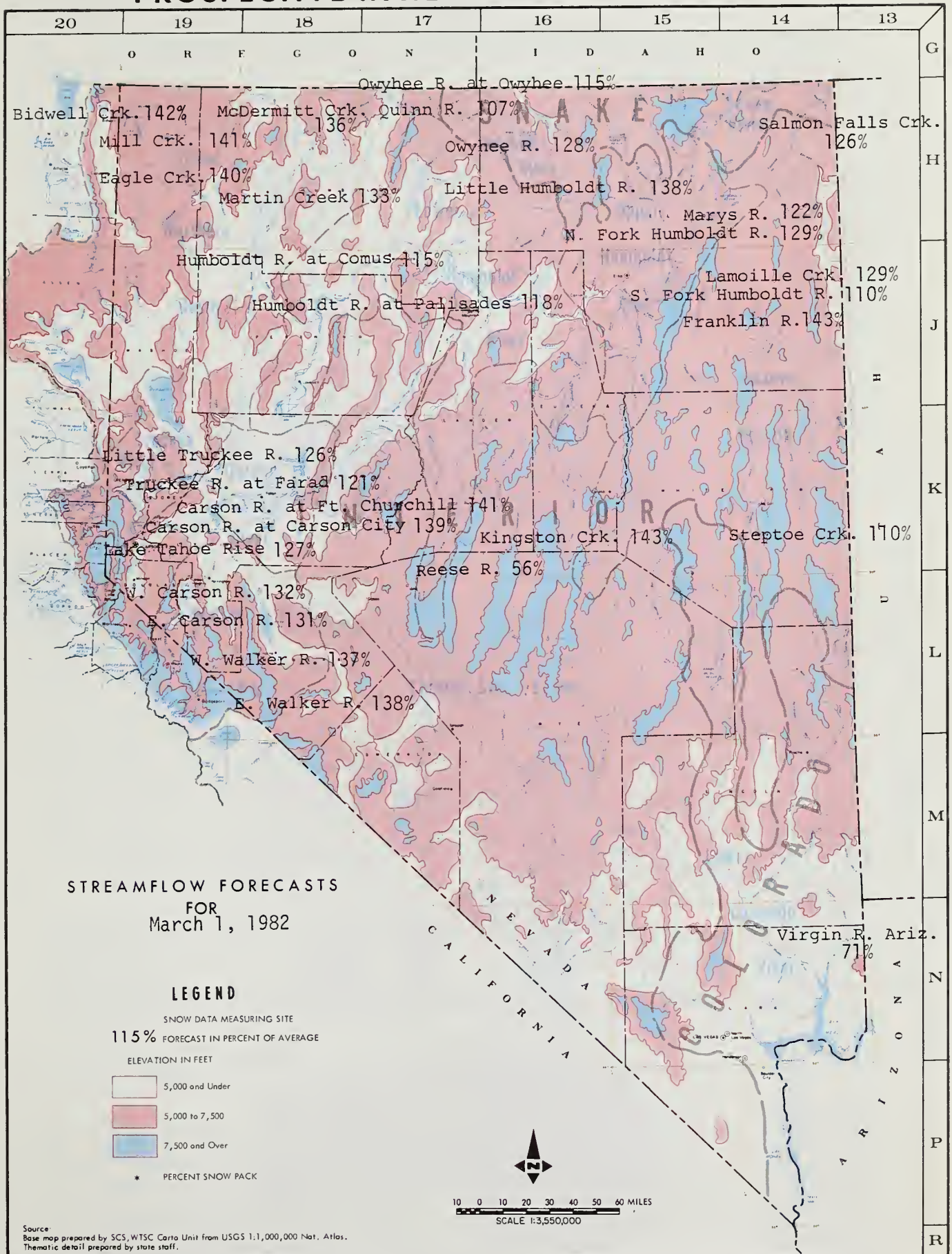
Snow course measurements taken on the Snake and Owyhee River Basins indicate a good water supply for the coming irrigation season. The Snake River Basin is 153 percent of average and 324 percent of last year. The Owyhee is 144 percent of average and 352 percent of last year. Upper Jack Creek snow course currently has 11.2 inches of water content which is 168 percent of normal, 255 percent of last year and equal to that recorded in the last large snowpack year of 1972. Snow course measurements in the Northern Great Basin indicate the snowpack ranges from 94 to 169 percent of average.

The Snake and Owyhee Basins should have good water supplies for the coming irrigation season. The Owyhee River near Owyhee is forecast at 92,000 acre feet or 115 percent of average with forecasts ranging upwards to the South Fork of the Owyhee River near White Rock at 151 percent of average or 125,000 acre feet.

EASTERN AND SOUTHERN NEVADA

Snow course measurements indicate the snowpack is 126 percent of average and 269 percent of last year with the more Southern courses at 86 percent of average and 277 percent of last year.

PROSPECTIVE WATER SUPPLY FOR NEVADA



Source:
Base map prepared by SCS, WTSC, Carta Unit from USGS 1:1,000,000 Nat. Atlas.
Thematic detail prepared by state staff.

INDEX TO NEVADA SNOW COURSES (By Basins)

Refer to the map on the preceeding page for Snow Course locations.

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
SNAKE RIVER BASIN					
SNAKE RIVER					
15H01SA	Bear Creek	31	46N	58E	7800
15H02	Fox Creek	33	46N	58E	6800
15H135A	Goat Creek	31	46N	60E	8800
15H15A	Humminbird Springs	6	45N	60E	8945
15H20a	Merritt Mountain	10	46N	54E	7090
15H145	Pole Creek Ranger Station	13	46N	59E	8330
15H18a	Red Point	15	47N	61E	7940
15H035A	Seventy Six Creek	6	44N	58E	7100
15H19a	5 tag Mountain	32	41N	58E	7800

OWYHEE RIVER					
15H045	Big Bend	30	45N	56E	6700
15H06a	Columbia Basin	31	44N	53E	6650
16H09a	Fawn Creek	2	45N	52E	7000
16H105	Fawn Creek #2	2	45N	52E	7050
15H05	Gold Creek	32	45N	56E	6600
16H01	Jack Creek, Lower	18	42N	53E	6300
16H02A	Jack Creek, Upper	9	42N	53E	7250
16H035	Jack Creek #2, Upper	9	42N	53E	7250
16H045	Jacks Peak	21	42N	53E	8420
16H055	Laurel Draw	20	45N	53E	6700
17604a	Louse Canyon (OR)	27	405	44E	6440
15H095	Taylor Canyon	35	39N	53E	6200

INTERIOR

UPPER HUMBOLDT RIVER					
15J17a	American Beauty	32	31N	58E	7800
15J125A	Corral Canyon	27	28N	57E	8500
15J015	Dorsey Basin	28	35N	60E	8100
15J03	Dry Creek	5	34N	60E	6500
15H07P	Fry Canyon	31	43N	54E	6700
15J095	Green Mountain	23	29N	57E	8000
15J10	Harrison Pass #1	9	28N	57E	6600
15J11	Harrison Pass #2	16	28N	57E	7400
15J04	Lamoille #1	15	32N	58E	7100
15J065	Lamoille #3	24	32N	58E	7700
15J08	Lamoille #5	31	32N	59E	3700
15J20	Pole Canyon #2	6	34N	61E	7700
15J16a	Robinson Lake	23	33N	59E	9200
15H06P	Rodeo Flat	36	43N	53E	6800
15J02	Ryan Ranch	1	34N	59E	5800
15J19	Smith Creek	26	30N	57E	7700
15J22a	Tent Mountain, Lower	26	36N	60E	7000
15J23a	Tent Mountain, Upper	35	36N	60E	8350
15H02	Tremewan Ranch	9	39N	55E	5700
15H10P	Trout Creek, Lower	28	37N	61E	6900
15H11A	Trout Creek, Upper	4	36N	61E	8500

LOWER HUMBOLDT RIVER					
17K01	Big Creek Campground	10	17N	43E	6600
17K02	Big Creek Mine	23	17N	43E	7600
17K045	Big Creek Summit	35	17N	43E	8700
17K03	Big Creek, Upper	26	17N	43N	7800
17H02A5	Buckskin, Lower	25	45N	39E	6700
17H01A	Buckskin, Upper	11	45N	39E	8200
17L01	Corral, Lower	12	11N	40E	7500
17L02	Corral, Upper	20	11N	41E	8000
17J02	Golconda #2	22	35N	39E	6000
17H045A	Granite Peak	22	44N	39E	7800
17H055A	Lamance Creek	13	42N	38E	6000
17H03AP	Martin Creek	13	44N	38E	6700
16H03AP	Midas	18	39N	46E	7200
16H07a	Toe Jam	29	40N	50E	7700

EASTERN NEVADA					
14L01	Baker #1	29	13N	69E	7950
14L02	Baker #2	30	13N	69E	8950
14L03	Baker #3	25	13N	68E	9250
14K025A	Berry Creek	26	17N	65E	9100
14K01	Bird Creek	34	19N	65E	7500
14K09a	Oefiance Mines	9	14N	63N	9200
15J155A	Hole-in-Mountain	6	35N	61E	7900
14K08	Kalamazoo Creek	34	20N	65E	7400
14K03	Murray Summit	25	16N	62E	7250
15K01	Robinson Summit	34	18N	61E	7690
14K07	Silver Creek #2	30	16N	69E	8000
14K055A	Ward Mountain #2	25	15N	62E	9200

CENTRAL GREAT BASIN					
18M02	Campito Mountain (CA)	19	5S	35E	10200
18M05a	Chiatovich Flat (CA)	32	2S	34E	10500
15N02	Clark Canyon	8	19S	56E	9900
18M01	Montgomery Pass	4	1N	33E	7100
18M03a	Pinchot Creek (CA)	28	1N	33E	9300
18M04a	Piute Pass (CA)	33	4S	33E	11700
15N01	Trough Springs	23	18S	55E	3500

NORTHERN GREAT BASIN					
19H01a	Bald Mountain	17	45N	21E	6720
20H05	Barber Creek (CA)	23	39N	16E	6500
20H065	Cedar Pass (CA)	12	43N	14E	7100
18G06a	Oenio Creek (OR)	14	41S	34E	6000
18H015A	Qisaster Peak	8	47N	34E	6500
20H03a	Oismal Swamp (CA)	31	48N	17E	7000
20H11S	Oismal Swamp #2 (CA)	31	48N	17E	7050
20H07	Eagle Peak (CA)	35	40N	15E	7200
19H03P	49 Mountain	7	42N	19E	6000
19H02	Hays Canyon	1	39N	18E	6400
19H04a	Little Bally Mountain	8	45N	19E	6000
20H09P	Mt. Bidwell (CA)	6	47N	16E	7200
20H10	North Star (CA)	13	47N	16E	6200
17G05a	Oregon Canyon (OR)	9	40S	40E	7240
17H06a	Quinn Ridge	9	47N	41E	6300
20H04	Reservation Creek (CA)	12	46N	15E	5900
18G05a	Trout Creek (OR)	10	41S	38E	7800

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.
LAKE TAHOE					
20L065	Echo Peak (CA)	35	12N	17E	7800
20L05	Echo Summit (CA)	6	11N	18E	7450
20L105	Fallen Leaf (CA)	3	13N	17E	6300
19L02	Freel Bench (CA)	36	12N	18E	7300
19K06	Glenbrook #2	13	14N	18E	6900
19L035	Hagan's Meadow (CA)	36	12N	18E	8000
19L245	Heavenly Valley (CA)	1	12N	18E	8850
20L04	Lake Lucille (CA)	28	12N	17E	8200
19K045	Marlette Lake	18	15N	19E	8000
20L03	Richardsons #2 (CA)	6	12N	18E	6500
20L01	Rubicon #1 (CA)	6	13N	17E	8100
20L025	Rubicon #2 (CA)	6	13N	17E	7500
20K16	Tahoe City (CA)	6	15N	17E	6250
20K275	Tahoe City Cross (CA)	1	15N	16E	6750
19L01	Upper Truckee (CA)	21	12N	18E	6400
20K17	Ward Creek #2 (CA)	21	15N	16E	7900
20K255	Ward Creek #3 (CA)	21	15N	16E	6750

TRUCKEE RIVER					
20K14	Boca #2 (CA)	28	18N	17E	5900
20K22	Brockway Summit (CA)	3	17N	16E	7100
20K28	Castle Creek (CA)	23	17N	14E	7400
20K21	Donner Park #2 (CA)	18	17N	16E	6000
20K10	Donner Summit (CA)	25	17N	14E	6900
20K07*	Fordyce Lake (CA)	34	18N	13E	6500
20K08*	Furnace Flat (CA)	10	17N	13E	6700
20K045	Independence Camp (CA)	34	19N	15E	7000
20K035	Independence Creek (CA)	14	19N	15E	6500
20K055	Independence Lake (CA)	9	18N	15E	8450
19K03	Little Valley	17	16N	19E	6300
20K025	Mt. Rose	7	17N	19E	9000
19K075	Mt. Rose Ski Area	30	17N	19E	9000
20K06	Sage Hen Creek (CA)	7	18N	16E	6500
20K19	Squaw Valley #2 (CA)	6	15N	16E	7500
20K305	Squaw Valley Gold Coast (CA)	36	16N	15E	8200
20K135	Truckee #2 (CA)	22	17N	16E	6400
20K02*	Webber Lake (CA)	29	19N	14E	7000
20K01*	Webber Peak (CA)	30	19N	14E	8000

CARSON RIVER					
19L055	Blue Lakes (CA)	30	9N	19E	8000
19L04	Carson Pass, Upper (CA)	22	10N	18E	8600
19K05	Clear Creek	6	14N	19E	7300
19L19A	Ebbetts Pass (CA)	17	8N	20E	8700
19L325	Ebbetts Pass #2 (CA)	17	8N	20E	8700
19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
19L40A	Monitor Pass (CA)	31	9N	21E	8350
19L16a	Fish Valley, Upper (CA)	1	7N	22E	8050
19L065A	Poison Flat (CA)	25	8N	21E	7900
19L395	Spratt Creek (CA)	31	10N	20E	6100
19L315	Wet Meadows #2 (CA)	26	9N	19E	8100
19L18a	Wet Meadows Lake (CA)	26	9N	19E	8050
19L20a	Wolf Creek (CA)	35	8N	20E	8000

WALKER RIVER					
19L11	Buckeye Forks (CA)	20	4N	23E	8500
19L10	Buckeye Roughs (CA)	15	4N	23E	7900
19L12	Center Mountain (CA)	4	3N	23E	9400
19L30A	Center Mountain (CA)	4	3N	23E	9400
19L085	Leavitt Lake (CA)	13	5N	21E	9400
19L33	Leavitt Meadows (CA)	4	5N	22E	7200
19L175A	Lobdell Lake (CA)	20	7N	24E	9200
19L34	Sawmill Ridge (CA)	17	3N	24E	8750
19L07	Sonora Pass (CA)	1	5N	21E	8800
19L235	Sonora Pass Bridge (CA)	6	5N	22E	8800
19M01*	Tioga Pass (CA)	30	1N	25E	9900
19L13	Virginia Lakes (CA)	5	2N	25E	9500
19L225	Virginia Lakes Ridge (CA)	32	2N	25E	9200
19L09	Willow Flat (CA)	21	5N	23E	8250

COLORADO

LOWER COLORADO RIVER					
15L02a	Corduroy Flat	14	13N	58E	8720
14M04a	Ella Mountain	35	5S	67E	7050
15N05	Kyle Canyon	26	19S	56E	8200
15N03	Lee Canyon #2	9	19S	56E	9000
15N08	Lee Canyon #3	10	19S	56E	8500
14M01a	Mathew Canyon	10	5S	70E	6000
14L04a	Mt. Wilson	27	5N	68E	8050
14M02a	Pine Canyon	23	6S	69E	6200
15N07	Rainbow Canyon #2	6	20S	57E	8100
15L01	White River #1	31	13N	59E	7400
15L03a	White River	31	13N	59E	7440

LEGEND

NUMBERING SYSTEM (EXAMPLE)

19K04	Snow Course Only
19K04S	Snow Course with SNOTEL
19K04A	Snow Course and Aerial Marker
19K04P	Snow Course and Storage Precipitation Gage

Lower case letter "a" indicates no snow course, only an Aerial Marker.
SNOTEL has telemetered data for snow pillow, precipitation gage, and temperature. * Adjacent basin.

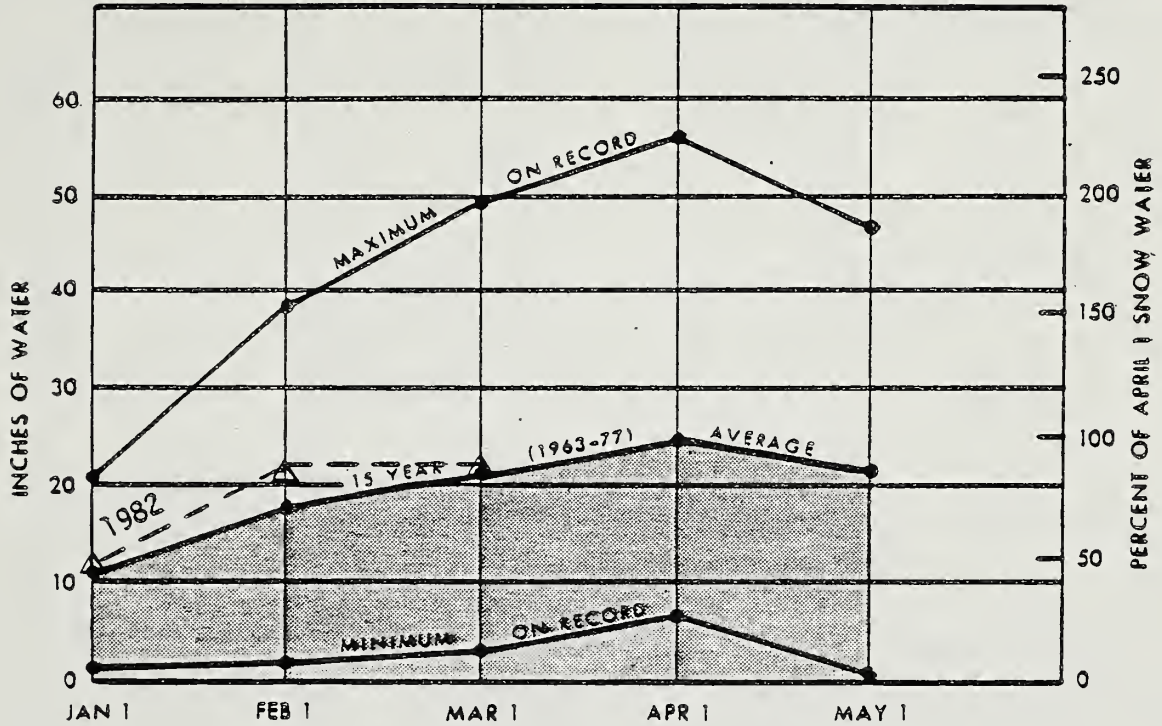
WINTER SNOWPACK

TAHOE, TRUCKEE, CARSON & WALKER BASINS

CALIFORNIA - NEVADA

1982

Data based on 9 long term Snow Courses



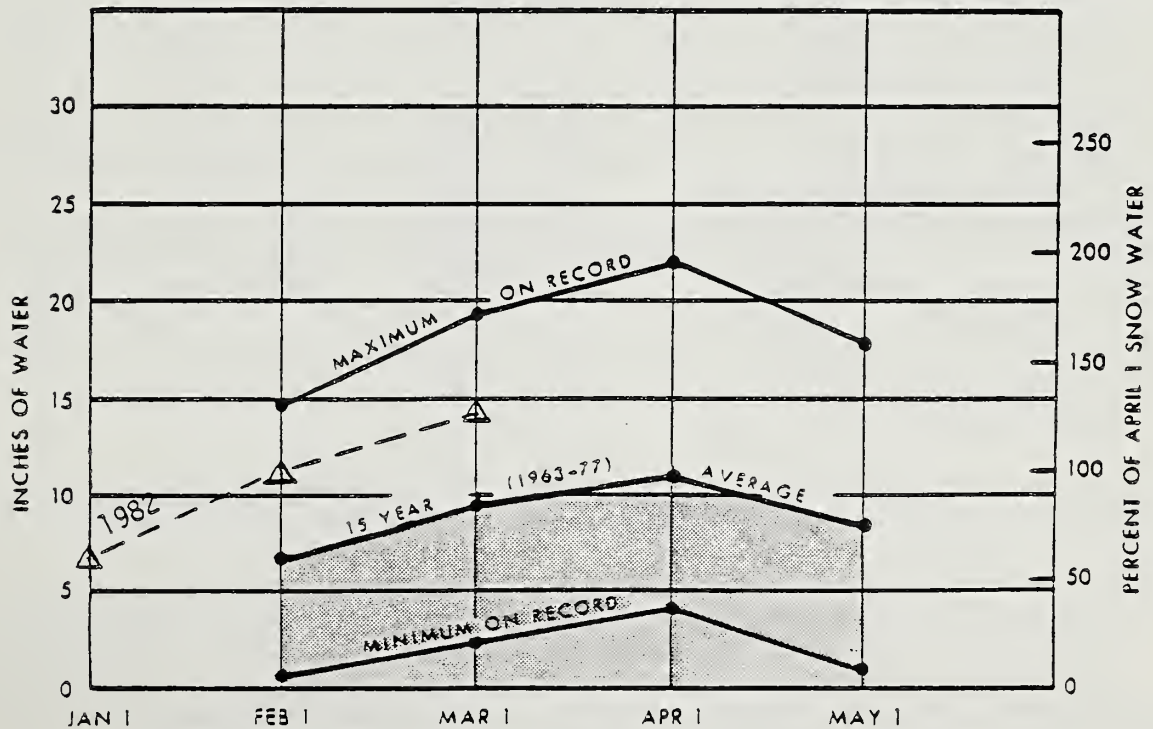
WINTER SNOWPACK

UPPER HUMBOLDT & SHAKE BASINS

NEVADA

1982

Data based on 13 selected Snow Courses



WATER RESOURCES DIVISION M 7 - L - 22026 W

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: March 1, 1982

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average †
<u>TRUCKEE RIVER</u>				
Galena Creek near Steamboat, NV.	April-July	5.7	130	4.4
Little Truckee River above Boca, CA.	April-July	110	126	87
Truckee River at Farad, CA 1/	April-July	330	121	273
Lake Tahoe Rise in Feet (assuming gates closed)	April 1 high	1.8	127	1.42
Sage Hen Creek, CA.	April-July	8.8	136	6.5
Steamboat Creek at Steamboat, NV.	April-July	7.1	137	5.2
<u>CARSON RIVER</u>				
East Carson near Gardnerville, NV.	April-July	245	131	187
West Carson at Woodfords, CA.	April-July	70	132	53
Carson River near Carson City, NV.	April-July	255	139	183
Carson River near Fort Churchill, NV.	April-July	235	141	167
<u>WALKER RIVER</u>				
East Walker near Bridgeport, CA 2/	April-Aug.	95	138	69
W. Walker below L. Walker nr Coleville, CA.	April-July	200	137	146
<u>SNAKE RIVER</u>				
Owyhee River near Owyhee, NV3/	April-July	92	115	80
Owyhee River near Gold Creek, NV3/	April-July	28	128	22
S. Fork Owyhee River nr White Rock, NV.	May-July	125	151	83
Salmon Falls Creek nr San Jacinto, NV.	April-July	113	126	95
<u>HUMBOLDT RIVER</u>				
Lamoille Creek near Lamoille, NV.	April-July	36	129	28
S. Fork Humboldt above Dixie Creek, NV.	April-July	80	110	73
Marys River above Hot Springs, NV.	April-July	50	122	37
N. Fork Humboldt at Devils Gate, NV.	April-July	45	129	35
Humboldt River at Palisade, NV.	April-July	260	118	221
Humboldt River at Comus, NV.	April-July	205	115	175
Kingston Creek Near Austin, NV.	April-July	4.7	143	3.3
L. Humboldt River nr Paradise Va., NV.	April-July	13.3	138	9.7
Martin Creek near Paradise, NV.	April-July	20.0	133	15
Reese River near Ione, NV.	April-July	5.3	81	6.6
Rock Creek near Battle Mountain, NV.	April-July	20.9	131	16
<u>NORTHERN GREAT BASIN</u>				
Bidwell Creek near Fort Bidwell, CA.	April-July	17	142	12
Mill Creek near Cedarville, CA.	April-July	5.8	141	4.1
Deep Creek near Cedarville, Ca.	April-July	5.0	139	3.6
Eagle Creek near Eagleville, CA.	April-July	6.0	140	4.3
Quinn River near McDermitt, NV.	April-July	17.0	107	16
E. Fork Quinn River nr McDermitt, NV.	April-July	15.5	120	13
McDermitt Creek nr McDermitt, NV.	April-July	16.3	136	12
<u>EASTERN NEVADA</u>				
Franklin River near Arthur, NV.	April-July	8.4	143	5.9
Steptoe Creek near Ely, NV.	April-July	2.2	110	2
<u>COLORADO RIVER</u>				
Virgin River at Littlefield, AZ.	April-June	34	71	48

NOTE: Streamflow forecasts which appear in this bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service.

1/ Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence and Martin's Creek Lakes, and minus the flow at Truckee River at Tahoe City, California.

+ 1963-1977 period.

2/ Observed flow plus change in storage in Bridgeport Reservoir.

3/ Observed flow plus change in storage in Wild Horse Reservoir.

RESERVOIR STORAGE (Thousand Acre Feet) AS OF March 1, 1982

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
Owyhee	Wild Horse	72	30	50	30
Lower Humboldt	Rye Patch	172	61	165	121
Colorado	Mohave	1,810	1,629	1,706	1,674
Colorado	Mead	26,159	23,264	23,547	17,520
Tahoe	Tahoe	732	502	355	491
Truckee	Boca	41	32	22	19
Truckee	Stampede**	220	155	142	120*
Truckee	Prosser***	30	9	9	8*
Carson	Lahontan	291	234	224	232
West Walker	Topaz	59	45	41	44
East Walker	Bridgeport	42	31	41	34

† Adjusted average.
 ** Storage began August 1, 1969.
 *** Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

MONTH	This Year	Last Year	Average †
October 1	358	883	786
January 1	688	793	844
February 1	804	859	920
March 1	935	898	968
April 1		953	1,010
May 1		939	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.
 TOTAL USABLE CAPACITY

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
East Fork Carson River nr Gardnerville, NV.	1950-2400	1,865
Carson River nr Carson City, NV.	2525-3075	2,098
Carson River nr Fort Churchill, NV.	2300-2825	1,914
W. Walker R. below L. Walker nr Coleville, CA.	1800-2250	1,589

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
East Carson River nr Gardnerville, NV.	200	7/31	7/24

† 1963-1977 period.

SATELLITE SNOW COVER

TAHOE-TRUCKEE, CARSON AND WALKER BASINS

February 24, 1982



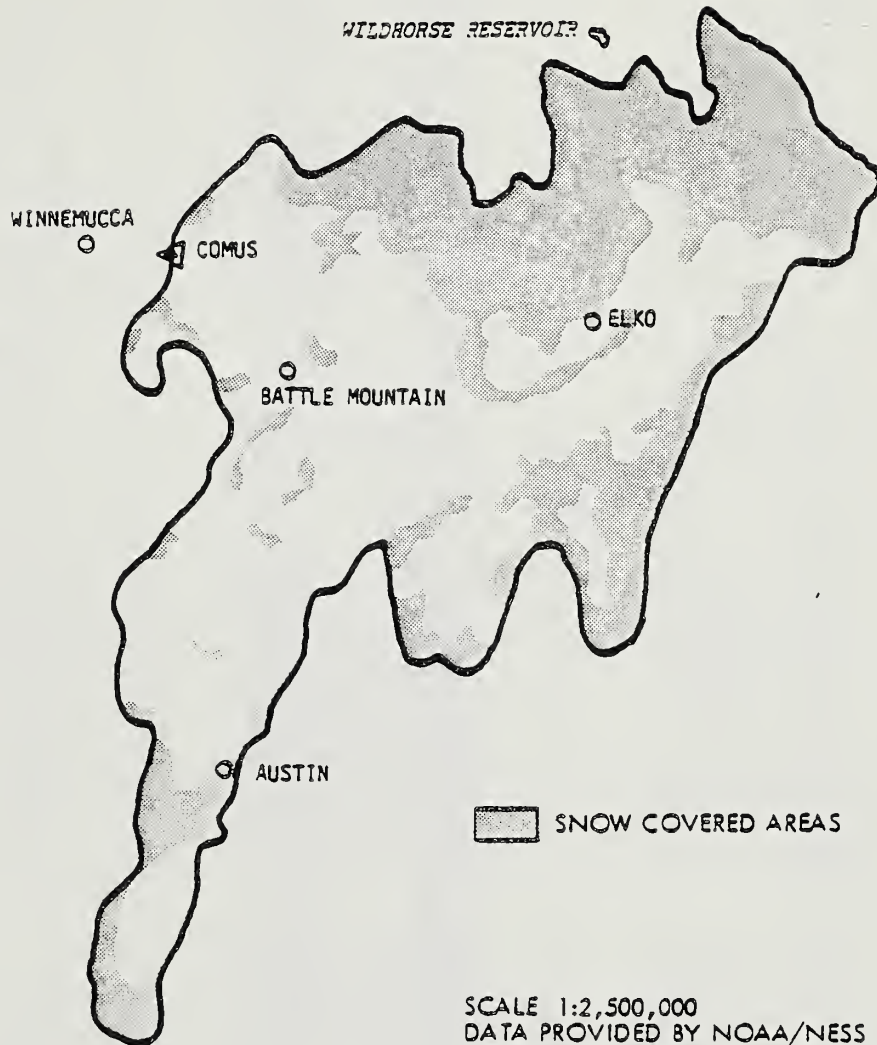
SCALE 1:2,000,000
DATA PROVIDED BY NOAA/NESS
WASHINGTON D.C.

<u>BASIN</u>	<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
TAHOE-TRUCKEE	November 29, 1981	56.0%	November 27, 1980	8.0%
	January 1, 1982	56.0%	December 28, 1980	11.0%
	January 31, 1982	48.0%	February 1, 1981	62.0%
	February 24, 1982	28.0%	February 22, 1981	26.0%
CARSON	November 29, 1981	30.0%	November 27, 1980	3.0%
	January 1, 1982	24.0%	December 28, 1980	6.0%
	January 31, 1982	48.0%	February 1, 1981	33.0%
	February 24, 1982	10.0%	February 22, 1981	9.0%
WALKER	November 29, 1981	77.0%	November 27, 1980	9.0%
	January 1, 1982	40.0%	December 28, 1980	11.0%
	January 31, 1982	43.0%	February 1, 1981	52.0%
	February 24, 1982	20.0%	February 22, 1981	21.0%

SATELLITE SNOW COVER

HUMBOLDT RIVER ABOVE COMUS, NEVADA

February 20, 1982



SCALE 1:2,500,000
DATA PROVIDED BY NOAA/NESS
WASHINGTON, D.C.

<u>THIS YEAR</u>	<u>PERCENT SNOW COVER</u>	<u>LAST YEAR</u>	<u>PERCENT SNOW COVER</u>
November 26, 1981	24.0%	November 27, 1980	43.0%
November 29, 1981	68.0%	December 1, 1980	35.0%
December 7, 1981	7.0%	December 8, 1980	57.0%
December 16, 1981	18.0%	December 14, 1980	38.0%
December 22, 1981	58.0%	December 23, 1980	11.0%
January 1, 1982	97.0%	December 26, 1980	4.0%
January 6, 1982	100.0%	January 6, 1981	6.0%
January 27, 1982	98.0%	February 1, 1981	89.0%
January 30, 1982	88.0%	February 4, 1981	78.0%
February 6, 1982	87.0%	February 7, 1981	74.0%
February 16, 1982	63.0%	February 10, 1981	53.0%
February 20, 1982	46.0%	February 22, 1981	13.0%

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †
<u>LAKE TAHOE</u>						
Echo Peak (CA)	7,800	2/24/82	87	39.8	16.8	-----
Echo Summit (CA)	7,450	2/26/82	67	29.9	14.2	28.3
Fallen Leaf (CA)	6,300	2/25/82	14	5.8	0.6	-----
Freel Bench (CA)	7,300	2/25/82	20	8.6	3.0	10.2*
Glenbrook #2	6,900	2/27/82	20	8.0	5.1	9.1*
Hagan's Meadow (CA)	8,000	2/23/82	39	15.3	6.4	13.8*
Heavenly Valley (CA)	8,800	2/23/82	78	32.1	12.1	26.3*
Lake Lucille (CA)	8,200	2/25/82	152	66.3	27.9	49.0*
Marlette Lake	8,000	2/24/82	51	20.6	9.5	18.4
Richardsons #2 (CA)	6,500	2/24/82	36	14.4	6.8	14.1
Rubicon #1 (CA)	8,100	2/25/82	128	53.3	21.8	39.0
Rubicon #2 (CA)	7,500	2/25/82	64	28.1	14.3	24.2
Tahoe City Cross (CA)	6,750	2/25/82	28	13.3	6.3	-----
Upper Truckee (CA)	6,400	2/23/82	20	7.6	3.2	8.7*
Ward Creek #2(CA)	7,000	2/25/82	76	30.3	17.3	33.5
Ward Creek #3(CA)	6,750	2/24/82	66	30.1	17.3	32.9
<u>TRUCKEE RIVER</u>						
Boca #2 (CA)	5,900	2/28/82	6	2.8	0.5	6.1
Brockway Summit (CA)	7,100	2/26/82	25	10.9	6.6	17.0*
Castle Creek (CA)b	7,400	3/02/82	139	53.6	22.6	41.9
Donner Park #2 (CA)	6,000	2/28/82	22	8.9	5.9	14.9
Donner Summit (CA)	6,900	2/24/82	52	26.0	13.5	31.5
Fordyce Lake (CA)b	6,500	2/24/82	51	23.6	20.8	30.8
Furnace Flat (CA)b	6,700	2/24/82	63	33.6	25.3	36.2*
Independence Camp (CA)	7,000	2/24/82	35	14.8	8.3	19.2*
Independence Creek (CA)	6,500	2/24/82	18	7.1	4.5	11.1*
Independence Lake (CA)	8,450	2/24/82	105	45.7	18.2	32.0
Little Valley	6,300	2/26/82	8	3.0	1.0	8.2
Mount Rose	9,000	2/24/82	97	41.7	13.8**	-----
Mount Rose Ski Area	8,850	3/01/82	140	58.7	21.6	33.3*
Sage Hen Creek (CA)	6,500	2/26/82	27	11.7	6.6	14.2*
Squaw Valley #2 (CA)	7,500	2/24/82	108	48.6	22.1	40.4
Squaw Valley Gold Coast (CA)	8,200	2/24/82	123**	55.5**	25.4**	-----
Truckee #2 (CA)	6,400	2/26/82	24	10.0	5.4	11.7*
Webber Lake (CA)	7,000	NS	-----	-----	-----	-----
Webber Peak (CA)	8,000	NS	-----	-----	-----	-----
<u>CARSON RIVER</u>						
Blue Lakes (CA)	8,000	2/23/82	87	34.3	16.6	30.2*
Carson Pass, Upper (CA)	8,600	2/22/82	90	37.0	20.1	29.0
Clear Creek	7,300	2/26/82	19	7.2	2.6	11.3
Ebbetts Pass AM (CA)	8,700	2/23/82	111	46.6	20.5a	29.1a
Ebbetts Pass #2 (CA)	8,700	2/23/82	105	44.6	19.3	-----
Fish Valley, Upper AM (CA)	8,050	2/23/82	31	11.8	8.4a	12.7a
Monitor Pass AM	8,350	2/23/82	42	15.5	5.6	-----
Poison Flat #2 (CA)	7,900	2/23/82	37	14.0	10.3	14.3*
Spratt Creek (CA)	6,100	2/23/82	13	5.0**	0.9	-----
Wet Meadows Lake AM (CA)	8,050	2/23/82	80	30.4	15.0a	23.3a*
Wet Meadows #2 (CA)	8,050	2/23/82	101	38.6	19.6	-----
Wolf Creek AM (CA)	8,000	2/23/82	80	30.4	13.4a	27.4a*

+ 1963-1977 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
					Last Year	Average †
<u>WALKER RIVER</u>						
Buckeye Roughs (CA)	7,900	NS	-----	-----	6.0	14.5*
Center Mountain AM (CA)	9,400	2/23/82	138	52.4	16.0a	35.1a
Center Mountain (CA)	9,400	2/23/82	116	43.8	16.2	34.4*
Leavitt Lake (CA)	9,400	2/23/82	139	57.9	23.1	-----
Leavitt Meadows (CA)	7,200	2/23/82	19	8.4	4.3	-----
Lobdell Lake (CA)	9,200	2/23/82	60	19.8	8.3**	14.3*
Sawmill Ridge (CA)	8,750	2/23/82	53	19.0	6.3	-----
Sonora Pass (CA)	8,800	2/23/82	70	27.7	12.2	21.0
Sonora Pass Bridge (CA)	8,800	2/23/82	81	32.3	12.0	24.7*
Tioga Pass (CA)	9,900	2/25/82	91	35.0	13.2	19.6*
Virginia Lakes (CA)	9,500	2/23/82	51	18.8	9.3	14.3*
Virginia Lakes Ridge (CA)	9,200	2/23/82	56	18.3	7.8	14.8*
Willow Flat (CA)	8,250	2/23/82	21	8.5	4.7	-----
<u>NORTHERN GREAT BASIN</u>						
Bald Mountain AM	6,720	2/24/82	2	0.6	0.6a	2.8a
Barber Creek (CA)	6,500	2/26/82	24	10.0	3.2	10.4
Cedar Pass (CA)	7,100	2/23/82	35	12.7	8.2	12.9
Disaster Peak	6,500	2/25/82	33	13.4	2.5	11.6
Dismal Swamp #2 (CA)	7,000	2/24/82	67	28.6	16.2	-----
49 Mountain	6,000	2/25/82	1	0.2	0.7	3.5
Hays Canyon	6,400	2/26/82	0	0.0	0.6	3.1
Little Bally Mountain AM	6,000	2/24/82	3	0.9	0.9a	2.6a
Mount Bidwell (CA)	7,240	2/24/82	53	20.7	13.4	15.3*
North Star (CA)	6,200	2/25/82	24	9.6	10.4	13.8*
Oregon Canyon AM (OR)	7,240	2/24/82	3	1.1	0.0a	4.6a
Pueblo Summit AM	6,300	2/24/82	1	0.1	-----	-----
Quinn Ridge AM	6,300	2/24/82	1	0.1	0.0a	1.6a
Reservation Creek (CA)	5,900	2/25/82	21	8.0	5.9	9.9
Trout Creek AM (OR)	7,800	2/24/82	12	4.6	5.3a	15.4a
<u>SNAKE RIVER</u>						
Bear Creek	7,800	2/26/82	59	23.0	7.7	8.0
Fox Creek	6,800	2/26/82	31	12.5	3.6	9.7
Goat Creek	8,800	2/26/82	57	21.3	5.5	15.7
Jakes Creek AM	7,000	2/26/82	14a	5.5a	-----	-----
Hummingbird Springs	8,945	2/26/82	75	27.4	8.9	19.5
Merritt Mountain AM	7,000	2/26/82	9a	3.4a	0.1a	6.4a
Pole Creek Ranger Station	8,330	2/26/82	60	23.2	7.8	18.6
Seventy Six Creek	7,100	2/26/82	47	17.5	5.1	10.5
Stag Mountain AM	7,700	2/26/82	21a	8.0a	0.1a	5.4a
<u>OWYHEE RIVER</u>						
Big Bend	6,700	2/23/82	31	11.2	1.6	7.5
Columbia Basin AM	6,650	2/26/82	33	12.2	0.0a	8.2a*
Fawn Creek #2	7,000	2/23/82	43	15.9	6.9	-----
Gold Creek	6,600	2/23/82	18	5.9	0.0	4.9
Jack Creek, Lower	6,800	2/23/82	5	1.9	0.0	-----
Jack Creek, Upper	7,250	2/23/82	31	11.2	4.4	6.7
Jack Creek #2, Upper	7,250	2/23/82	52	19.8	7.3**	-----
Jacks Peak	8,420	2/23/82	31	29.9	10.4	20.9*
Laurel Draw	6,700	2/23/82	24	9.1	4.6	6.9
Louse Canyon AM (OR)	6,440	2/24/82	9	3.2	0.0a	3.0a
Taylor Canyon	6,200	2/23/82	19	6.5	0.0	4.5

SNOW COURSE MEASUREMENTS

SNOW COURSE MEASUREMENTS		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †
UPPER HUMBOLDT RIVER						
America Beauty AM	7,800	2/26/82	14a	5.2a	1.0a	8.5a
Corral Canyon	8,500	2/24/82	36	12.6	5.5	12.3
Dorsey Basin	8,100	2/23/82	37	13.8	5.8**	10.4*
Draw Creek AM	7,450	2/26/82	33a	13.2a	-----	-----
Dry Creek	6,500	2/24/82	12	4.6	0.0	2.8*
Fry Canyon	6,700	2/23/82	25	9.8	2.5	5.9*
Green Mountain	8,000	2/24/82	36	13.8	2.9	10.9*
Harrison Pass #1	6,600	2/24/82	10	3.3	0.8	3.5*
Harrison Pass #2	7,400	2/24/82	11	4.3	2.1	4.3*
Lamoille #1	7,100	2/24/82	19	6.9	3.8	8.1
Lamoille #3	7,700	2/24/82	30	10.0	4.3	10.4
Lamoille #5	8,700	2/24/82	84	35.5	8.8	21.3
Pole Canyon #2	7,700	2/23/82	50	19.9	1.5	-----
Robinson Lake AM	9,200	2/26/82	108a	42.0a	15.7a	-----
Rodeo Flat	6,800	2/23/82	21	8.2	2.3	4.6*
Ryan Ranch	5,800	2/24/82	0	0.0	0.0	0.8*
Smith Creek	7,700	2/24/82	33	11.5	5.9	-----
Tent Mountain AM, Lower	7,000	2/26/82	0a	0.0a	0.1a	11.7a*
Tent Mountain AM, Upper	8,350	2/26/82	47a	18.3a	6.3a	19.3a*
Tremewan Ranch	5,700	2/23/82	7	3.1	0.0	1.5
Trout Creek, Lower	6,900	2/24/82	8	2.8	0.0	2.8*
Trout Creek, Upper	8,500	2/24/82	37	14.6	0.1	15.4*
LOWER HUMBOLDT RIVER						
Big Creek Campground	6,600	2/24/82	1	0.1	0.0	1.6
Big Creek Mine	7,600	2/24/82	11	4.0	0.6	4.4
Big Creek Summit	8,700	2/24/82	28	8.9	4.0	-----
Big Creek, Upper	7,800	2/24/82	18	5.9	1.6	5.4*
Buckskin, Lower	6,700	2/25/82	19	6.8	3.0	7.1
Buckskin, Upper	8,200	2/25/82	27	10.4	2.2	8.4
Golconda #2	6,000	2/23/82	15	6.8	0.5	4.5
Granite Peak	7,800	2/25/82	51	19.5	5.5	13.1
Lamance Creek	6,000	2/25/82	21	8.8	0.1	9.0
Martin Creek	6,700	2/25/82	21	8.6	2.3	8.4
Midas AM	7,200	2/26/82	0a	0.0a	0.0a	2.2a
Toe Jam AM	7,700	2/26/82	31a	11.8a	3.0a	8.5a
EASTERN NEVADA						
Baker #1	7,950	2/25/82	17	4.8	3.0	5.6*
Baker #2	8,950	2/25/82	36	10.9	6.0	11.0*
Baker #3 AM	9,250	2/25/82	42a	12.6a	-----	11.9a*
Berry Creek	9,100	2/27/82	51	14.9	7.3	11.4*
Bird Creek	7,500	2/24/82	9	3.0	3.3	3.4
Defiance Mines AM	9,400	2/25/82	12a	3.7a	-----	-----
Hole-in-Mountain	7,900	2/23/82	79	34.1	3.9	18.6
Kalamazoo Creek	7,400	2/28/82	22	7.8	4.5	6.0
Murray Summit	7,250	2/23/82	5	1.8	1.5	2.9
Robinson Summit	7,600	2/23/82	3	1.2	0.0	2.0
Silver Creek #2 AM	8,000	2/25/82	18a	5.4a	0.1a	5.1a
Ward Mountain #2 AM	7,400	2/28/82	25	7.0	4.2a	6.4a*

+ 1963-1977 period.

SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
NAME	Elevation				Last Year	Average †
<u>CENTRAL GREAT BASIN</u>						
Clark Canyon	9,000	2/26/82	14	4.5	-----	5.2*
Montgomery Pass	7,100	2/26/82	0	0.0	-----	1.1*
Trough Springs	8,500	2/26/82	10	3.2	1.8	3.8*
<u>LOWER COLORADO RIVER</u>						
Corduroy Flat AM	8,720	2/25/82	0	0.0	0.1a	-----
Ella Mountain AM	7,050	2/25/82	0	0.0	0.0a	-----
Kyle Canyon	8,200	2/25/82	17	5.0	4.0	8.9
Lee Canyon #2	9,000	2/25/82	20	6.2	2.6	6.4*
Lee Canyon #3	8,500	2/25/82	14	3.3	1.8	6.7
Mathew Canyon AM	6,000	2/25/82	0	0.0	0.0a	0.8a*
Mt. Wilson AM	8,050	2/25/82	0	0.0	0.4	-----
Pine Canyon AM	6,200	2/25/82	0	0.0	0.0a	1.3a*
Rainbow Canyon #2	8,100	2/25/82	31	9.8	5.3	2.2*
White River AM	7,400	2/25/82	0	0.0	0.1a	-----
<u>DESERT RESEARCH INSTITUTE MEASUREMENTS</u>						
<u>TAHOE-TRUCKEE BASIN</u>						
Alder Creek	6,960	2/24/82	68	28.6	14.5	-----
Apollo Way	7,300	2/24/82	10	4.1	0.5	-----
Bennett Flat	6,200	2/24/82	26	10.8	4.1	-----
Davis Creek	5,160	2/24/82	0	0.0	0.0	-----
Evergreen Hills Road	5,700	2/24/82	0	0.0	0.1	-----
Galena Creek	7,440	2/24/82	37	15.5	11.3	-----
Henness Pass Junction	6,410	2/24/82	22	9.4	6.0	-----
Hobart Mills	5,850	2/24/82	12	4.5	1.5	-----
Incline Lake	8,000	2/24/82	58	23.7	7.2	-----
Jones Creek	6,000	2/24/82	0	0.0	0.1	-----
Mount Rose Resort	8,280	2/24/82	89	35.7	16.4	-----
North Star Fire Department	6,320	2/24/82	9	3.0	3.5	-----
Reindeer Lodge	7,060	2/24/82	14	6.1	4.2	-----
RNR Test Site	6,400	2/24/82	8	3.5	2.8	-----
Sky Tavern	7,620	2/24/82	30	12.2	7.1	-----
Spooner Summit	7,620	-----	-----	-----	5.8	-----
Squaw Valley Fire Department	6,240	2/24/82	22	10.6	4.4	-----
Tahoe City	6,240	2/24/82	11	9.0	4.4	-----
Tahoe Meadows	8,540	2/24/82	117	50.8	16.8	-----
Tamarack Lake	8,820	2/24/82	106	44.3	16.4	-----
Third and Incline Creeks	6,235	2/24/82	0	0.0	0.4	-----
Thunder Cliff	6,200	2/24/82	24	10.0	4.6	-----
Truckee Airport	5,900	2/24/82	4	1.8	0.5	-----
Whites Creek	5,670	2/24/82	0	0.0	0.0	-----

a Aerial Marker

b Located an adjacent basin

* Less than 15 year period

** SNOTEL provisional

NS Not surveyed this month

NOTE:

All averages based on 1963-77, 15 year period.
Forecast period is April 1 through July 31
unless otherwise noted.

+ 1963-1977 period.

PRECIPITATION (Inches)

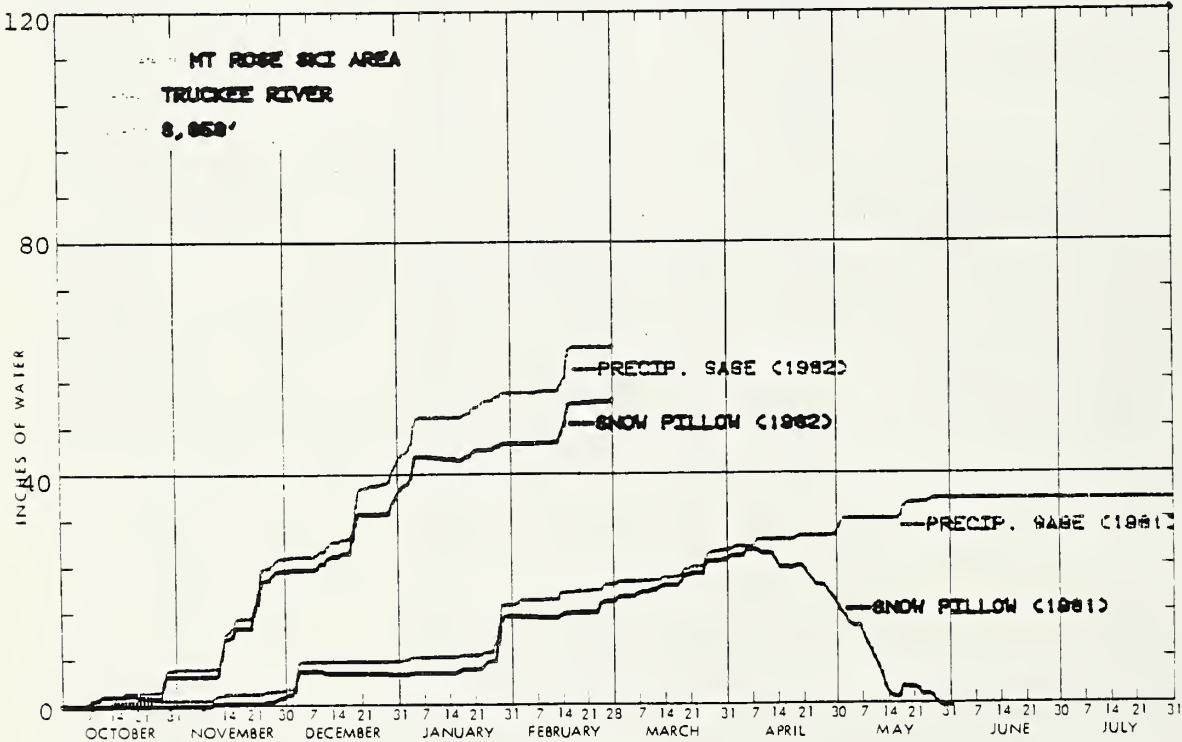
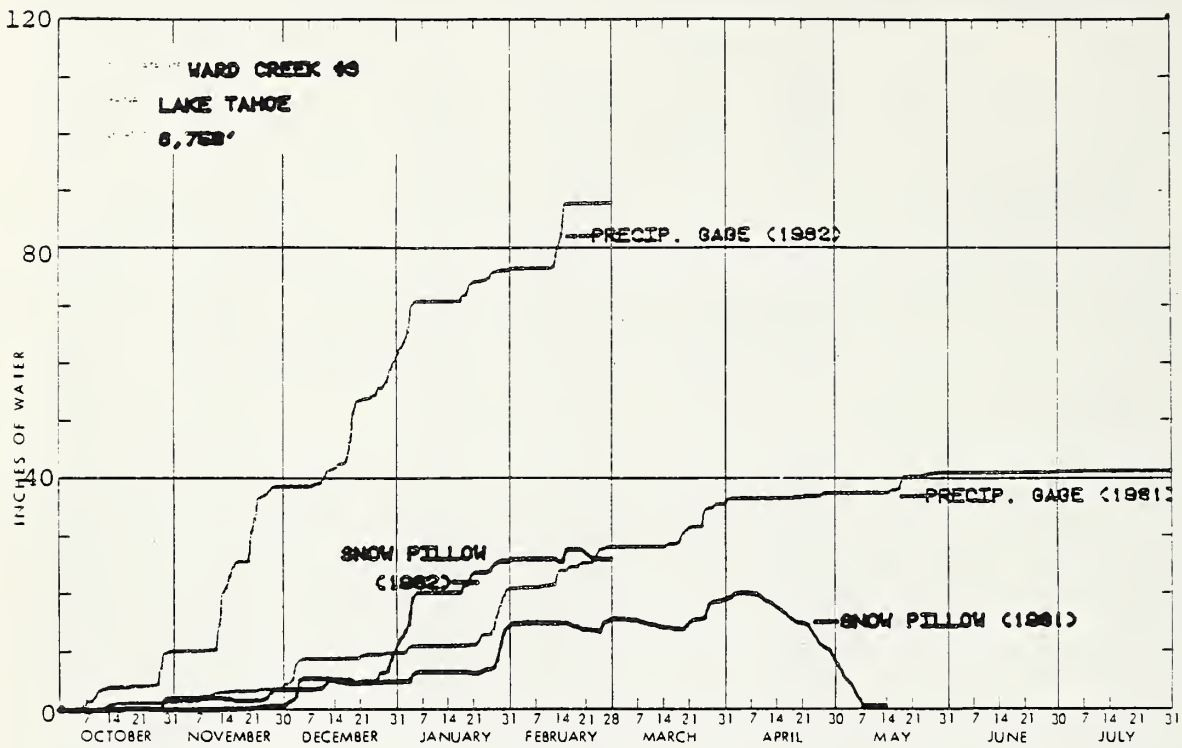
DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	1980
<u>TAHOE-TRUCKEE</u>							
Big Meadows	8,300	3/1/82	4.7	-----	36.3	-----	-----
Echo Peak (CA)	7,800	3/1/82	13.0	6.2	62.8	20.3	-----
Fallen Leaf (CA)	6,240	3/1/82	2.8	2.3	38.7	12.2	37.8
Hagan's Meadow (CA)	8,000	3/1/82	5.6	2.8	35.5	11.5	34.9
Heavenly Valley (CA)	8,800	3/1/82	4.4	1.8	32.4	12.2	31.3
Independence Camp (CA)	7,000	3/1/82	6.4	3.0	46.6	14.7	36.6
Independence Creek (CA)	6,500	3/1/82	6.5	3.2	45.3	13.1	27.2
Independence Lake (CA)	8,450	3/1/82	5.9	3.7	47.4	20.1	-----
Marlette Lake	8,000	3/1/82	5.0	1.5	36.0	13.4	32.0
Mt. Rose	9,000	3/1/82	4.1	2.4	34.3	13.3	-----
Mt. Rose Ski Area	8,850	3/1/82	8.2	3.6	62.2	21.2	53.1
Rubicon #2 (CA)	7,500	3/1/82	7.4	4.0	50.3	17.1	43.3
Squaw Valley Gold Coast (CA)	7,800	3/1/82	10.8	6.3	80.3	26.3	-----
Tahoe City Cross (CA)	6,750	3/1/82	6.3	3.2	49.2	16.0	41.2
Truckee #2 (CA)	6,400	3/1/82	4.9	2.6	42.4	13.0	33.0
Ward Creek #3 (CA)	6,750	3/1/82	11.8	7.2	88.4	28.0	69.1
<u>CARSON-WALKER</u>							
Blue Lakes (CA)	8,000	3/1/82	6.9	1.1	48.7	17.6	-----
Ebbetts Pass #2 (CA)	8,700	3/1/82	7.4	4.1	53.3	22.1	-----
Leavitt Meadows (CA)	7,200	3/1/82	6.3	2.2	35.6	14.4	34.0
Lobdell Lake (CA)	9,200	3/1/82	3.4	1.1	22.2	10.0	22.2
Pine Nut Creek (CA)	6,600	3/1/82	1.6	0.7	15.0	4.4	-----
Poison Flat (CA)	7,900	3/1/82	6.3	2.0	35.1	11.9	32.6
Sonora Pass Bridge (CA)	8,800	3/1/82	6.6	3.5	38.5	14.6	37.3
Spratt Creek (CA)	6,080	3/1/82	7.5	2.5	37.9	13.6	-----
Virginia Lakes Ridge (CA)	9,200	3/1/82	3.9	1.6	24.8	10.4	29.2
Wet Meadows #2 (CA)	8,050	3/1/82	7.3	3.9	50.6	20.6	44.6
<u>HUMBOLDT</u>							
Big Creek Summit	8,700	3/1/82	1.6	1.6	10.9	5.6	9.7
Buckskin, Lower	6,700	3/1/82	2.5	2.0	19.3	9.0	15.9
Corral Canyon	8,500	3/1/82	8.2	1.2	15.8	7.5	15.7
Dorsey Basin	8,100	3/1/82	2.6	1.1	21.4	8.5	17.1
Fry Canyon	6,700	2/23/82	3.1	1.0	19.8	7.0	-----
Granite Peak	7,800	3/1/82	2.6	1.7	24.0	10.4	22.1
Green Mountain	8,000	3/1/82	3.1	-----	19.7	7.7	13.5
Lamance Creek	6,000	3/1/82	2.5	2.0	23.0	9.2	21.6
Lamoille #3	7,700	3/1/82	3.2	1.2	19.3	7.4	16.1
Martin Creek	6,700	2/25/82	-----	8.7	24.1	9.7	19.5
Rodeo Flat	6,800	2/23/82	2.3	1.0	17.0	5.7	11.8
Trout Creek, Lower	6,900	2/24/82	-----	0.8	13.6	4.4	13.5
<u>SNAKE-OWYHEE</u>							
Bear Creek	7,800	3/1/82	4.1	2.0	24.5	9.9	20.0
Big Bend	6,700	3/1/82	2.2	1.7	14.4	5.9	11.5
Fawn Creek #2	7,000	3/1/82	3.5	1.7	24.5	11.1	20.8
Goat Creek	8,800	3/1/82	4.1	1.5	23.1	8.0	20.7
Jack Creek #2, Upper	7,250	3/1/82	3.7	1.5	24.4	10.2	15.8
Jacks Peak	8,420	3/1/82	3.8	-----	31.3	11.8	24.6
Laurel Draw	6,700	3/1/82	2.5	1.3	21.1	8.4	16.9
Pole Creek Ranger Station	8,330	3/1/82	2.0	0.9	13.5	5.6	12.9
Seventy Six Creek	7,100	3/1/82	3.3	0.9	18.0	6.2	14.3
Taylor Canyon	6,200	3/1/82	0.7	0.5	9.2	2.9	7.4
<u>EASTERN NEVADA</u>							
Berry Creek	9,100	3/1/82	2.4	1.7	15.8	8.0	-----
Hole-in-Mountain	7,900	3/1/82	4.6	-----	30.0	8.6	21.5
Ward Mountain	8,900	3/1/82	1.7	0.5	14.5	7.9	-----
<u>NORTHERN GREAT BASIN</u>							
Cedar Pass (CA)	7,100	3/1/82	3.2	3.6	27.8	14.4	26.3
Disaster Peak	6,500	3/1/82	1.8	1.3	20.1	7.6	18.7
Dismal Swamp #2 (CA)	7,050	3/1/82	4.5	4.4	44.3	20.4	-----
Ferguson Ranch	5,560	2/23/82	1.4	1.4	7.4	-----	-----
49 Mountain	6,000	2/25/82	8.2	2.0	10.0	7.0	-----
Mt. Bidwell (CA)	7,240	2/24/82	-----	-----	38.4	17.2	-----
All data SNOTEL provisional except Ferguson Ranch, Fry Canyon, 49 Mountain, Pine Nut Creek, and Rodeo Flat							

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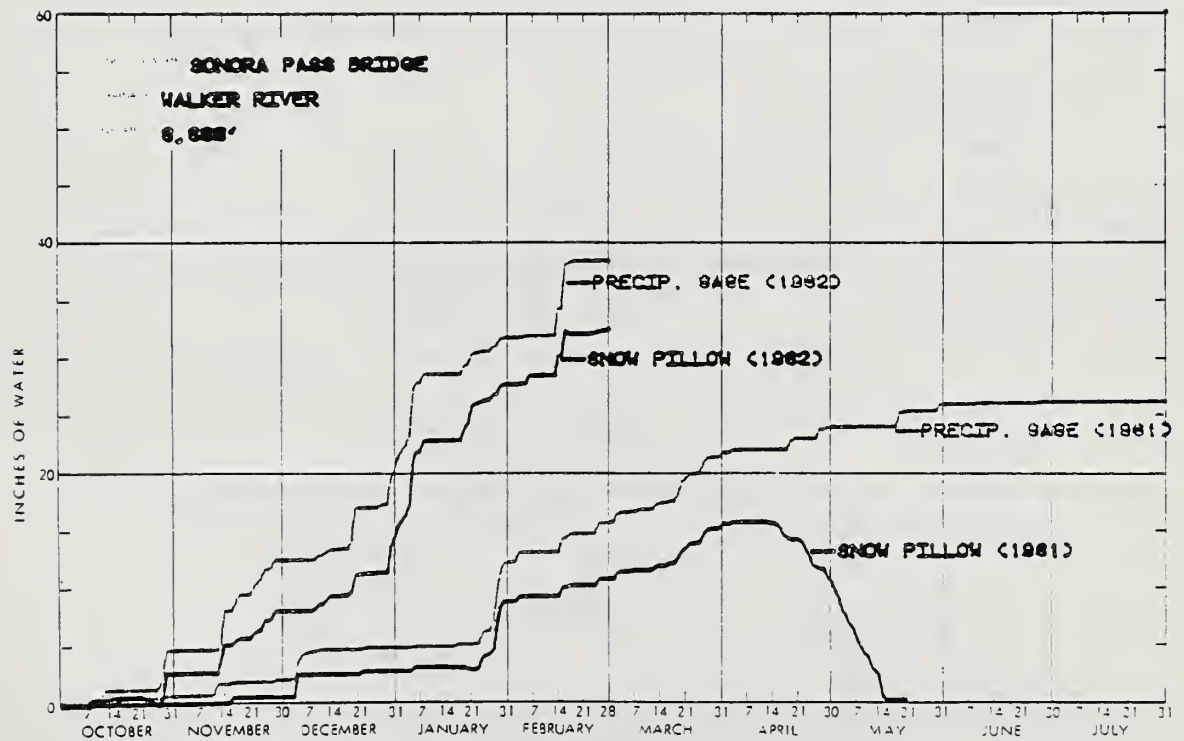
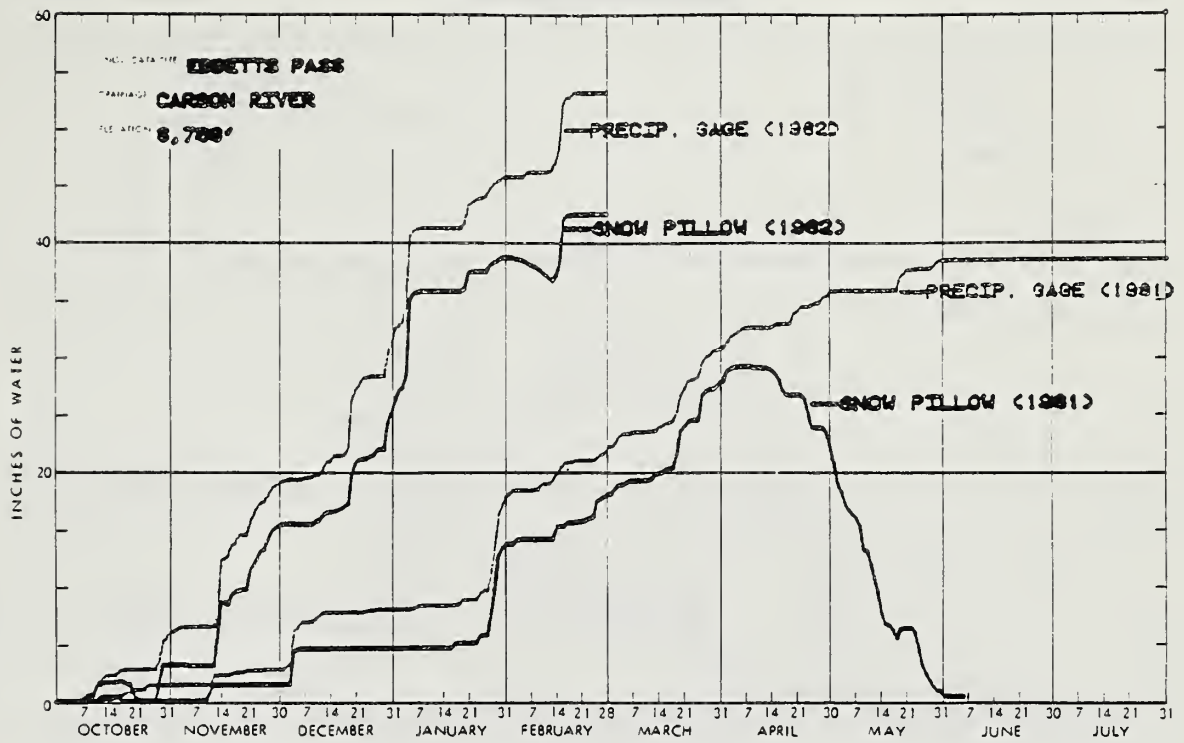
PRECIPITATION (Inches) March, 1982 NATIONAL WEATHER SERVICE

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION					
		Month's Precip.	Last Year	*Normal	This Year	Last Year	*Normal
<u>TRUCKEE-TAHOE</u>							
Boca	5,575	3.44	1.59	2.84	26.29	8.39	15.08
Glenbrook	6,350	3.24	.65	1.93	20.49	7.08	12.45
Incline Village	6,550	4.19	.86	3.61	29.15	8.88	15.32
Reno	4,404	.41	.22	.86	5.43	2.09	4.26
Sierraville	4,975	5.31	1.81	3.83	37.95	10.05	19.79
Tahoe City	6,230	4.94	2.08	4.59	44.82	14.08	23.83
Truckee Ranger Station	5,995	4.19	2.22	4.53	37.02	12.05	23.13
<u>CARSON-WALKER</u>							
Bridgeport Ranger Station	6,560	1.00	.55	1.34	5.80	5.31	7.89
Carson City	4,651	1.71	.22	1.49	11.76	4.18	8.03
Fallon Experiment Station	3,965	.08	.16	.55	2.20	2.21	2.12
Hawthorne	4,215	.16	.50	.30	1.14	1.77	1.75
Minden	4,720	1.42	.31	.88	6.70	2.67	5.38
Twin Lakes	7,829	6.98	4.12	6.82	45.98	19.05	33.68
Woodfords	5,971	4.19	1.07	2.40	24.25	7.58	14.48
Yerington	4,375	.16	.43	.57	1.92	1.51	2.62
<u>HUMBOLDT</u>							
Austin	6,605	.64	.61	1.01	5.94	2.90	4.90
Battle Mountain	4,530	.02	.19	.60	2.00	1.81	3.34
Deeth	5,338	.46	.15	.69	6.91	2.43	3.91
Elko	5,075	.65	.33	.77	5.87	1.99	4.73
Emigrant Pass	5,755	.86	.27	1.04	6.26	2.02	5.75
Jiggs	5,760	.38	.45	.93	3.94	2.42	4.96
Lamoille	5,800	.68	.44	1.53	7.10	2.94	7.73
Lovelock FAA	3,900	.31	.13	.46	2.65	1.18	2.26
North Fork	6,600		.29	1.04		3.61	5.16
Paradise Valley	4,675	.54	.37	1.04	10.38	2.52	5.26
Wells	5,650	.55	.31	.80	6.74	1.60	4.82
Winnemucca	4,301	.14	.51	.81	4.56	1.99	4.34
<u>SNAKE-OWYHEE</u>							
Contact	5,365	.54	.02	.54	6.04	1.45	3.31
Mountain City	5,620	.73	.53	*	7.20	3.40	*
Owyhee	6,491	.74	.50	1.16	7.24	4.50	6.55
Tuscarora	6,170	.93	.35	1.43	11.85	3.40	7.12
<u>EASTERN NEVADA</u>							
Arthur	6,280	1.21	.66	1.33	10.62	3.04	7.11
Ely	6,253	.31	.16	.60	5.47	2.97	3.21
Montello	4,880	.21	.03	.34	3.59	1.02	2.68
Pequop	6,030	.61	.12	*	7.64	2.10	*
Ruby Lake	6,012	1.03	.17	1.20	8.82	2.93	6.14
<u>NORTHERN GREAT BASIN</u>							
Alturas Ranger Station	4,400	1.13	1.05	1.25	8.64	3.99	7.22
Cedarville	4,670	1.28	1.87	1.31	12.96	5.10	8.86
Ft. Bidwell	4,498	1.92	1.78	1.81	15.70	8.17	9.32
Orovada	4,310	.38	.56	.95	6.76	3.15	5.35
Susanville	4,148	1.20	.92	1.99	14.04	5.38	10.26
<u>CENTRAL GREAT BASIN</u>							
Tonopah	5,426	.18	.49	.33	3.21	.89	1.64
<u>LOWER COLORADO RIVER</u>							
Caliente	4,402	0.0	.35	.70	1.46	1.82	3.89
Las Vegas	2,162	1.10	.20	.30	1.63	.34	1.77
Pioche	6,165	.28	.32	1.24	3.29	1.28	6.24
Bishop	4,118	.02	.07	1.06	2.95	2.05	4.15
* Not Available							
T Trace							
Normals are for 30 year period of 1941-1970.							

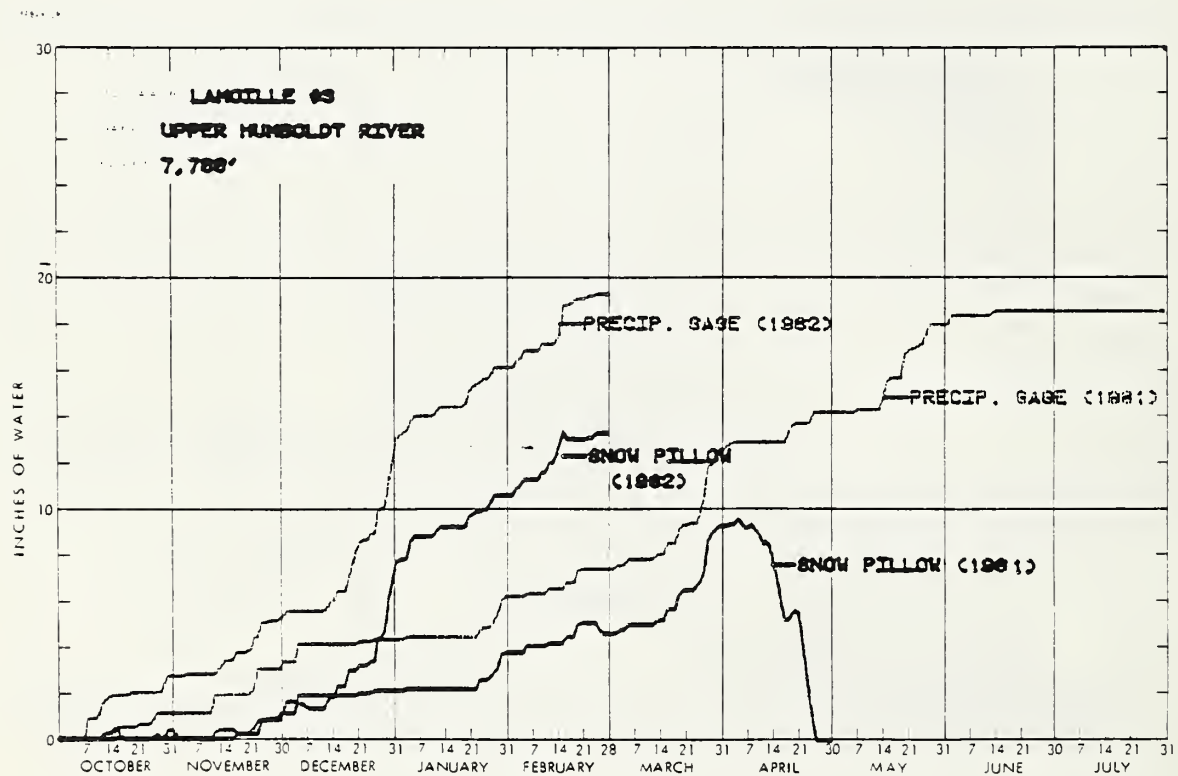
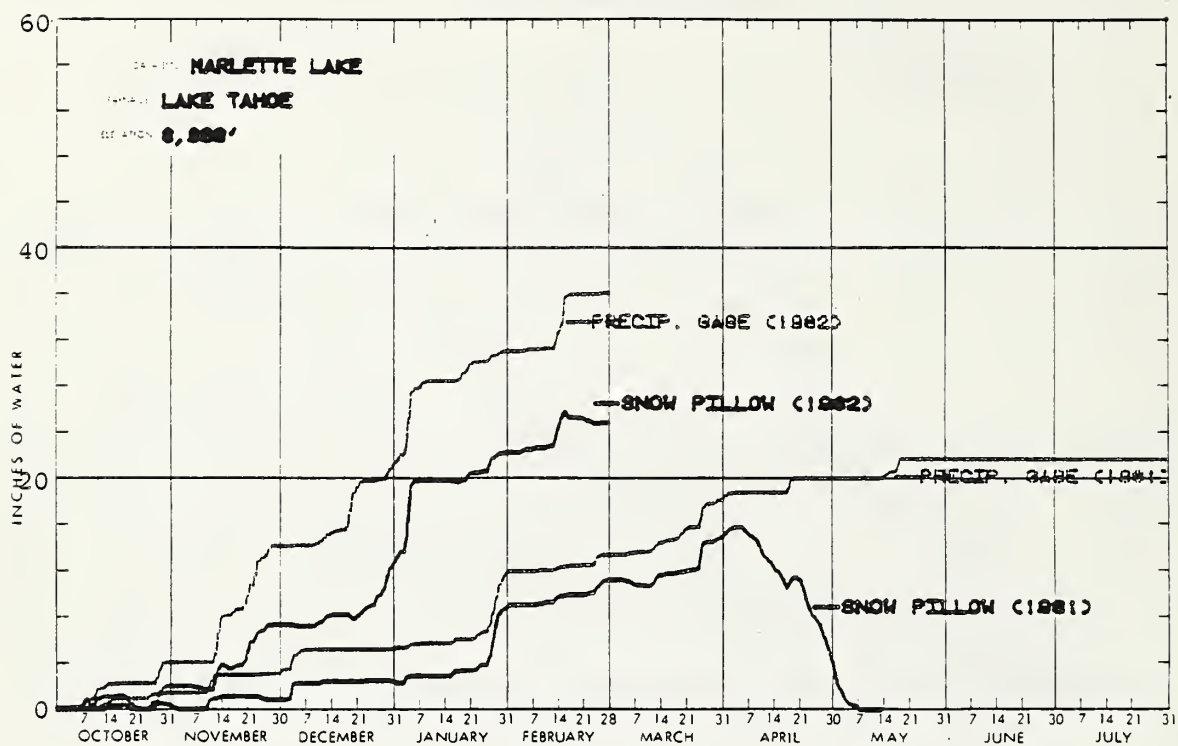
SNOTEL MEASUREMENTS



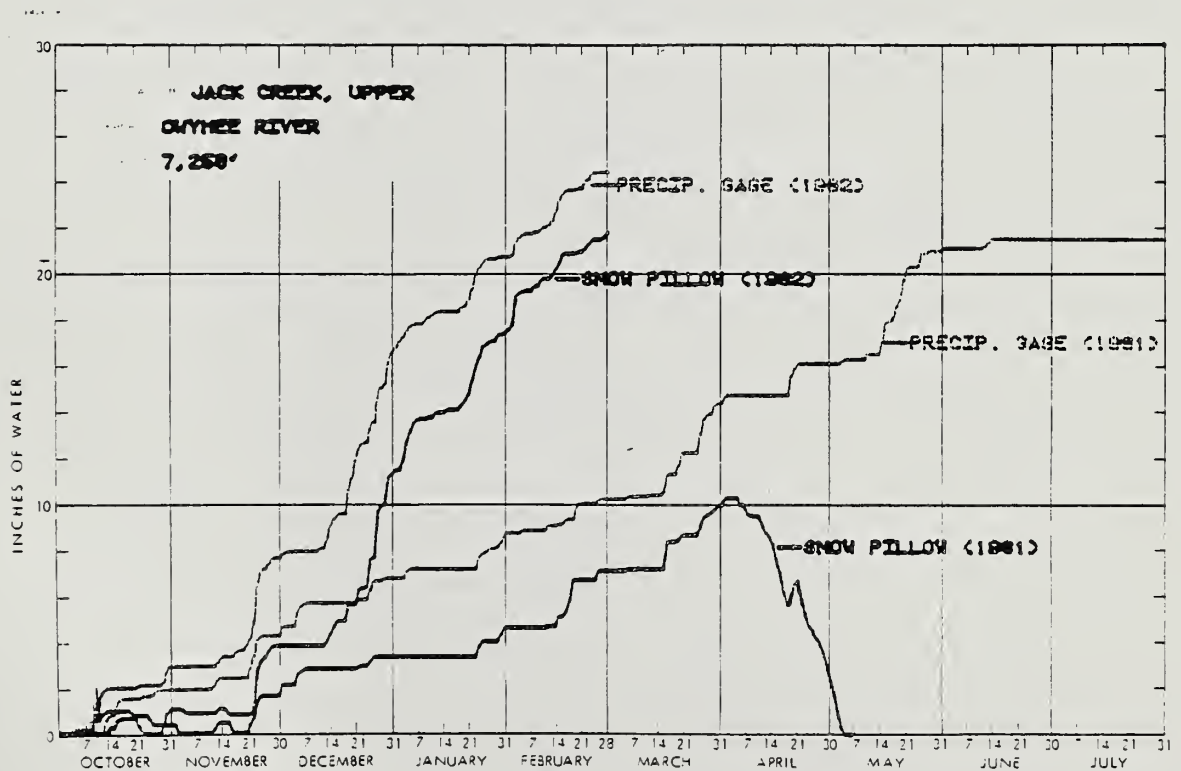
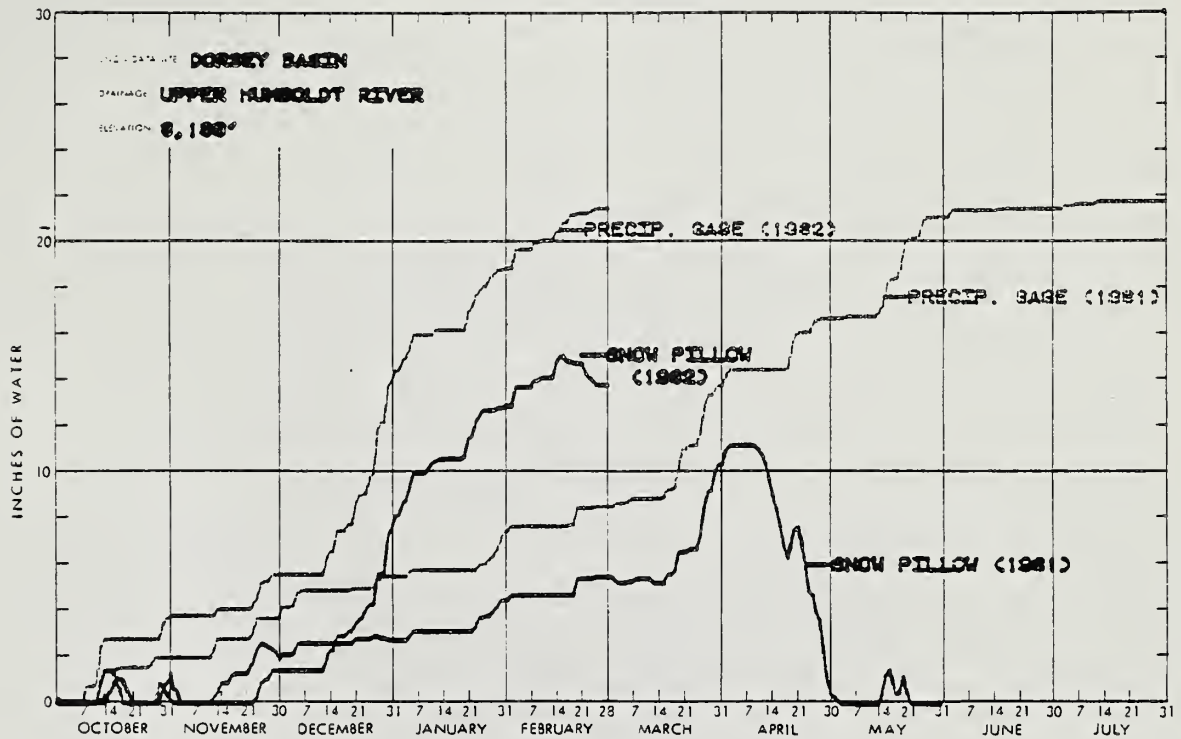
SNOTEL MEASUREMENTS



SNOTEL MEASUREMENTS



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AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN

FEDERAL

Agricultural Research Service
Bureau of Reclamation
Fish and Wildlife Service
Forest Service
Geological Survey
Soil Conservation Service
U. S. District Court - Federal Water Master
NOAA, National Weather Service

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
 Division of Water Resources
 Nevada State Forester
Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
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Kennecott Copper Corporation
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Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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